



Compact Balances

EK-i — EW-i Series



A&D ...Clearly a Better Value
A&D Company, Limited
<http://www.aandd.jp>

Choose the best for your weighing applications from a wider selection. High resolution up to 1/60,000!

(EK-610i, EK-6100i)

A wider selection of capacities & resolutions, and remote-zeroing has been included in a low-profile rugged housing. For years the EK/EW series balances have been top selling products. Now the new EK-i Compact Balances have been designed to continue this tradition with enhanced capacities and resolutions, and EW-i series comes with attractive triple ranges of weighing. All feature RS-232C as standard and are designed to meet weights and measures regulations of various countries (e.g. NTEP, EC).

- Wide selection of 16 different models 30g ~ 12kg
- Large LCD display (16mm height) with backlight – easy to read even at a wide viewing angle or dark environment
- Control zero, mode selection and data output with standard RS-232C
- Triple range weighing for EW-i series
- 9 built-in weighing units plus counting & percentage with user priority start-up
- Counting function with Automatic Counting Accuracy Improvement
- Standard comparator function – HI/OK/LO annunciator
- Full Digital Calibration with optional user definable mass setting
- Conformity to GLP with I.D. and serial number outputs
- Auto Power OFF
- Portable-compact size, lightweight, rugged body
- Sealed key panel protection against dust and spills
- Low profile and small footprint for any space requirement
- Overload protection
- Stainless steel weighing pan
- Easy to install rechargeable Ni-MH battery (Optional)
- Optional underhook weighing for EK-4100i/6100i/6000i/12Ki, EW-12Ki
- Leveling feet and level bubble for accurate weighing
- Security ring to prevent theft



JEK-i



WEIGHING RANGE

(EW-i series only)
Triple range indication



NET

ZERO

R3

R2

R1

ACAI

Automatic Counting
Accuracy Improvement

HI/OK/LO

Comparator Announcer

SAMPLE

Register a sample count or
100% in percentage

PRINT

Transmit data to printer
or computer



Optional



Multi weighing units

oz	Ounce (av)
ozt	Troy ounce
tl	Tael
lb	Pound (av)
GN	Grain unit
dwt	Pennyweight
g	Gram
ct	Carat
mom	Momme
pcs	Pieces
%	Percent

GLP

Balance I.D. number allows
calibration output verification

A & D	
MODEL	EK-300i
S/N	1234567
ID	ABCDEF
DATE	02/05/17
03:15:40 PM	
CAL. TEST(EXT.)	
ACTUAL	0.00 g
	+300.01 g
TARGET	+300.00 g
SIGNATURE	

Options & Accessories

Dot Matrix Compact Printer

*AD-8121B



Optional Ni-MH Pack

*EKW-09i

For complete portability and use
in areas with power problems



Carrying Case

*EKW-12i



EK-i/EW-i Series Specifications

	EK-120i	EK-200i	EK-300i	EK-410i	EK-610i	EK-600i	EK-1200i	EK-2000i	EK-3000i	EK-4100i	EK-6100i
Gram(g)	120 x 0.01	200 x 0.01	300 x 0.01	400 x 0.01	600 x 0.01	600 x 0.1	1200 x 0.1	2000 x 0.1	3000 x 0.1	4000 x 0.1	6000 x 0.1
Decimal Ounce(av/oz)	4.2330 x 0.0005	7.0550 x 0.0005	10.5820 x 0.0005	14.110 x 0.001	21.164 x 0.001	21.165 x 0.005	42.330 x 0.005	70.550 x 0.005	105.820 x 0.005	141.10 x 0.01	211.64 x 0.01
Decimal Pound(av/lb)	—	—	—	0.8818 x 0.0001	1.3228 x 0.0001	1.3230 x 0.0005	2.6455 x 0.0005	4.4090 x 0.0005	6.6140 x 0.0005	8.818 x 0.001	13.228 x 0.001
Troy Ounce(ozt)	3.8580 x 0.0005	6.4300 x 0.0005	9.6450 x 0.0005	12.860 x 0.001	19.290 x 0.001	19.290 x 0.005	38.580 x 0.005	64.300 x 0.005	96.450 x 0.005	128.60 x 0.01	192.90 x 0.01
Pennyweight(dwt)	7716 x 0.01	128.60 x 0.01	192.90 x 0.01	257.21 x 0.01	385.81 x 0.01	385.8 x 0.1	771.6 x 0.1	1286.0 x 0.1	1929.0 x 0.1	2572.1 x 0.1	3858.1 x 0.1
Carat(ct)	600.00 x 0.05	1000.00 x 0.05	1500.00 x 0.05	2000.0 x 0.1	3000.0 x 0.1	3000.0 x 0.5	6000.0 x 0.5	10000.0 x 0.5	15000.0 x 0.5	20000 x 1	30000 x 1
Momme(mom)	32.000 x 0.005	53.335 x 0.005	80.000 x 0.005	106.665 x 0.005	160.000 x 0.005	160.00 x 0.05	320.00 x 0.05	533.35 x 0.05	800.00 x 0.05	1066.65 x 0.05	1600.00 x 0.05
Grain Unit(GN)	1851.8 x 0.2	3086.4 x 0.2	4629.8 x 0.2	6173.0 x 0.2	9259.4 x 0.2	9260 x 2	18518 x 2	30864 x 2	46298 x 2	61730 x 2	92594 x 2
Tael(H.K General)(tl)	3.1745 x 0.0005	5.2910 x 0.0005	7.9365 x 0.0005	10.5820 x 0.0005	15.8735 x 0.0005	15.875 x 0.005	31.745 x 0.005	52.910 x 0.005	79.365 x 0.005	105.820 x 0.005	158.735 x 0.005
Max. count	12,000pcs	20,000pcs	30,000pcs	40,000pcs	60,000pcs	6,000pcs	12,000pcs	20,000pcs	30,000pcs	40,000pcs	60,000pcs
Counting Mode	Min. unit weight	0.01g								0.1g	
	No. of samples						5, 10, 25, 50 or 100 pieces				
Percent Mode	Min. div.						0.1%				
	Min.100% weight		1g						10g		
Linearity	±0.01g		±0.02g				±0.1g			±0.2g	
Repeatability/Std.Dev.		0.01g						0.1g			
Sensitivity Drift							±20ppm/°C(10°C~30°C/50°F~86°F)				
Display Type							7 segment LCD with backlight (character height 16mm)				
Display Refresh							10 times/second				
Pan size (W) x (D)		Ø110mm/4.3inches					133 x 170mm/5.2 x 6.7inches				
Physical Dimensions(mm)		190(W) x 218(D) x 55(H)					190(W) x 218(D) x 53(H)				
Physical Dimensions(inches)		7.5(W) x 8.6(D) x 2.2(H)					7.5(W) x 8.6(D) x 2.1(H)				
Admissible Ambient Temperature							-10°C~40°C / 14°F~104°F, less than 85% R.H. (non-condensing)				
Weight(approx.)		1.1kg					1.5kg				
Calibration Mass(default setting)	120g	200g	300g	400g	600g	600g	1200g	2000g	3000g	4000g	6000g
Power							AC adapter or Ni-MH battery pack (option)				
Standard Accessories							Manual, AC adapter				

	EK-6000i	EK-12Ki	EW-150i			EW-1500i			EW-12Ki		
Gram(g)	6000 x 1	12000 x 1	30 x 0.01	60 x 0.02	150 x 0.05	300 x 0.1	600 x 0.2	1500 x 0.5	3000 x 1	6000 x 2	12000 x 5
Decimal Ounce(av/oz)	211.65 x 0.05	423.30 x 0.05	1.0580 x 0.0005	2.116 x 0.001	5.292 x 0.002	10.580 x 0.005	21.16 x 0.01	52.92 x 0.02	105.80 x 0.05	211.6 x 0.1	423.2 x 0.2
Decimal Pound(av/lb)	13.230 x 0.005	26.455 x 0.005	—	—	—	0.6615 x 0.0005	1.323 x 0.001	3.306 x 0.002	6.615 x 0.005	13.23 x 0.01	26.46 x 0.02
Troy Ounce(ozt)	192.90 x 0.05	385.80 x 0.05	0.9645 x 0.0005	1.929 x 0.001	4.822 x 0.002	9.645 x 0.005	19.29 x 0.01	48.22 x 0.02	96.45 x 0.05	192.9 x 0.1	385.8 x 0.2
Pennyweight(dwt)	3858 x 1	7716 x 1	19.29 x 0.01	38.58 x 0.02	96.45 x 0.05	192.9 x 0.1	385.8 x 0.2	964.5 x 0.5	1929 x 1	3858 x 2	7715 x 5
Carat(ct)	—	—	150.00 x 0.05	300.0 x 0.1	750.0 x 0.2	1500.0 x 0.5	3000 x 1	7500 x 2	—	—	—
Momme(mom)	1600.0 x 0.5	3200.0 x 0.5	8.000 x 0.005	16.00 x 0.001	40.00 x 0.002	80.00 x 0.05	160.0 x 0.1	400 x 0.2	800 x 0.5	1600 x 1	3200 x 2
Grain Unit(GN)	—	—	463.0 x 0.2	926.0 x 0.5	2315 x 1	4630 x 2	9260 x 5	23150 x 10	—	—	—
Tael(H.K General)(tl)	158.75 x 0.05	31745 x 0.05	0.7935 x 0.0005	1.587 x 0.001	3.968 x 0.002	7.935 x 0.005	15.87 x 0.01	39.68 x 0.02	79.35 x 0.05	158.7 x 0.1	3174 x 0.2
Max. count	6,000pcs	12,000pcs	15,000pcs			15,000pcs			12,000pcs		
Counting Mode	Min. unit weight	1g	0.01g			0.1g			1g		
	No. of samples		5, 10, 25, 50 or 100 pieces			5, 10, 25, 50 or 100 pieces			5, 10, 25, 50 or 100 pieces		
Percent Mode	Min. div.		0.1%			0.1%			0.1%		
	Min.100% weight	100g	1g			10g			100g		
Linearity	±1g		±0.01g	±0.02g	±0.05g	±0.1g	±0.2g	±0.5g	±1g	±2g	±5g
Repeatability/Std.Dev.	1g		0.01g	0.02g	0.05g	0.1g	0.2g	0.5g	1g	2g	5g
Sensitivity Drift						±20ppm/°C(10°C~30°C/50°F~86°F)					
Display Type						7 segment LCD with backlight (character height 16mm)					
Display Refresh						10 times/second					
Pan size (W) x (D)		133 x 170mm/5.2 x 6.7inches	Ø110mm/4.3inches			133 x 170mm/5.2 x 6.7inches			133 x 170mm/5.2 x 6.7inches		
Physical Dimensions(mm)		190(W) x 218(D) x 53(H)	190(W) x 218(D) x 55(H)			190(W) x 218(D) x 53(H)			190(W) x 218(D) x 53(H)		
Physical Dimensions(inches)		7.5(W) x 8.6(D) x 2.1(H)	7.5(W) x 8.6(D) x 2.2(H)			7.5(W) x 8.6(D) x 2.1(H)			7.5(W) x 8.6(D) x 2.1(H)		
Admissible Ambient Temperature							-10°C~40°C / 14°F~104°F, less than 85% R.H. (non-condensing)				
Weight(approx.)		1.5kg	1.1kg			1.5kg			1.5kg		
Calibration Mass(default setting)	6000g	12kg	150g			1500g			12kg		
Power							AC adapter or Ni-MH battery pack (option)				
Standard Accessories							Manual, AC adapter				

Specifications are subject to change for improvement without notice.

Option

- EKW-04i*** Comparator/Relay Output
- EKW-07i** Underhook (for EK-4100i/6100i/
6000i/12Ki, EW-12Ki only)
- EKW-09i*** Rechargeable Battery Pack (Ni-MH)
- EKW-12i** Carrying Case

* EKW-04i and EKW-09i cannot be used simultaneously.
Select one of them.

AND ...Clearly a Better Value

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Accessories

- AD-8121B** Dot Matrix Compact Printer
- AD-8118C** Universal Printer
- AD-8524B** Keyboard Adapter
- AD-8920A** External Display
- AX-3005824-5S** Protective Cover (5pcs.)



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